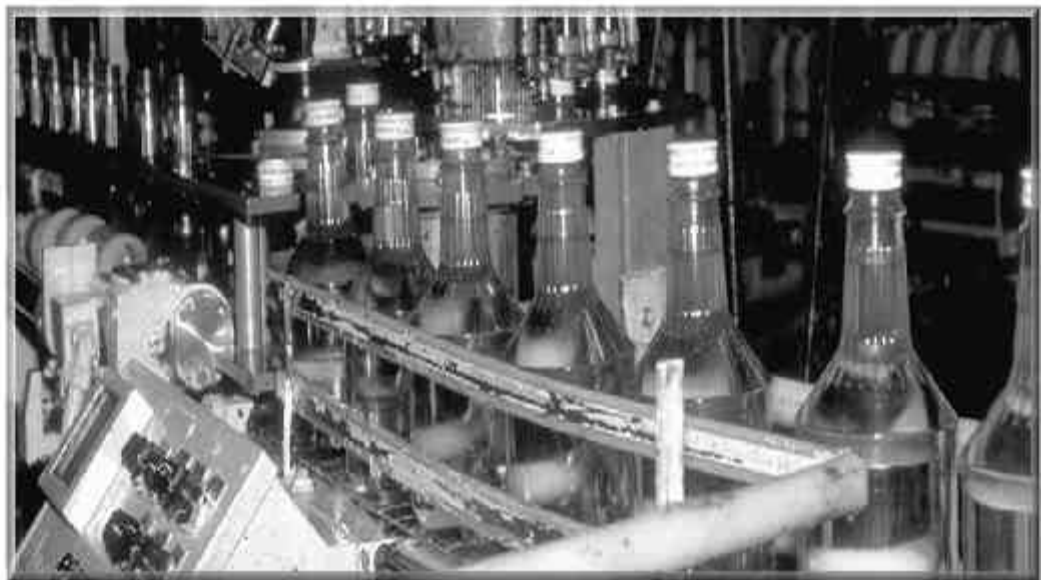




# Multimedia Environmental Compliance Guide for Food Processors



## NOTICE

This document provides guidance to assist regulated entities to understand their obligations under environmental laws; however, for a complete understanding of all legal requirements, the reader must refer to applicable federal and state statutes and regulations. This guide is a compliance assistance tool only, and it neither changes nor replaces any applicable legal requirements, nor does it create any rights or benefits for anyone. This guide also describes in a summary fashion the roles and activities of federal and state agencies; however, the guidance does not limit their otherwise lawful prerogatives, and the agencies may act at variance with it, based on specific circumstances. This guidance may be revised without prior notice. Mention of trade names or commercial products in this document, or in associated references, does not constitute an endorsement or recommendation for use.

## PREFACE AND ACKNOWLEDGMENTS

### Preface

As part of its mission to communicate environmental regulatory responsibilities to business and industry, the U.S. Environmental Protection Agency's Office of Compliance (OC) has prepared this guide to the major federal environmental statutes and regulations that may affect food processors. The guide provides an overview of the major requirements that the U.S. EPA administers. Appendices A, B and C, respectively, contain portions of the Code of Federal Regulations (CFR) in an easy to understand format, provide organizations and hotline resources for compliance assistance, and list numerous references used in developing this guide. The guide also contains general information about pollution prevention that may enable your facility to go beyond compliance by achieving greater reductions in emissions and/or wastes.

The target audience for the guide is the plant-level manager and/or staff responsible for environmental compliance at a facility. Others who may find value in this guide include the following: environmental managers at the corporate level; state and local compliance assistance programs; trade associations; and environmental consultants to the industry. Federal, state, and local regulators and/or compliance inspectors may also find this guide to be useful in offering a broad perspective on U.S. EPA's requirements and the food processing industry.

### Acknowledgments

The Chemical, Commercial Services and Municipal Division (CCSMD) of OC received assistance from the following groups in planning and developing this guide. Representatives of the American Frozen Food Institute (AFFI), the American Meat Institute (AMI) and the National Food Processors Association (NFPA) supported this project, and offered informed judgments about its structure and contents. The Food Industry Environmental Council (FIEC), an organization of trade associations and companies, provided valuable assistance by securing plant-level review and comment on an early draft, and by coordinating review of the draft final guide among its entire membership.

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# ACRONYMS

ABC	Activity-Based Costing
ACP	Area Contingency Plan
AFFI	American Frozen Food Institute
AFO	Animal Feeding Operation
AHERA	Asbestos Hazard Emergency Response Act
ALJ	Administrative Law Judge
AMI	American Meat Institute
AO	Administrative Order
AST	Aboveground Storage Tank
BACT	Best Available Control Technology
BIFs	Boilers and Industrial Furnaces
BOD	Biochemical Oxygen Demand
BMP	Best Management Practice
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CAM	Compliance Assurance Monitoring
CCSMB	Chemical, Commercial Services, and Municipal Branch
CDC	Center for Disease Control
CEPPO	Chemical Emergency Preparedness and Prevention Office
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESQG	Conditionally Exempt Small Quantity Generator
CFC	Chlorofluorocarbon
CFR	Code of Federal Regulation
CH <sub>4</sub>	Methane
CID	Criminal Investigation Division
CMP	Coastal Management Program
CO	Carbon Monoxide
COD	Chemical Oxygen Demand
CWA	Clean Water Act
CZMA	Coastal Zone Management Act
DMR	Discharge Monitoring Report
DOE	Department of Energy
DOI	Department of the Interior
DOJ	Department of Justice
DOT	Department of Transportation
ECAAR	Enforcement and Compliance Assurance Accomplishments Report
ECOS	Environmental Council of the States
EHS	Extremely Hazardous Substance
ELP	Environmental Leadership Program
EMS	Environmental Management System
EPCRA	Emergency Planning and Community Right-to-Know Act
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Endangered Species Act
FBI	Federal Bureau of Investigations
FDA	Food and Drug Administration

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FEPCA	Federal Environmental Pesticide Control Act
FESOP	Federally Enforceable State Operating Permit
FFDCA	Federal Food, Drug and Cosmetic Act
FIEC	Food Industry Environmental Council
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FMC	Food Manufacturing Coalition
FQPA	Food Quality Protection Act
FRP	Facility Response Plan
FSIS	Food Safety Inspection Service
FWPCA	Federal Water Pollution Control Act
FY	Fiscal Year
HACCP	Hazard Analysis and Critical Control Point
HAP	Hazardous Air Pollutant
HAZWOPER	Hazardous Waste Operations and Emergency Response
HCFC	Hydrochlorofluorocarbon
HCS	Hazard Communication Standard
HSWA	Hazardous Solid Waste Amendments
ICCR	Industrial Combustion Coordinated Rulemaking
ID	Identification Number
ISO	International Organization of Standardization
LAER	Lowest Achievable Emission Rate
LDR	Land Disposal Restriction
LEPC	Local Emergency Planning Committee
LQG	Large Quantity Generator
MACT	Maximum Achievable Control Technology
MCL	Maximum Contaminant Level
MCLG	Maximum Contaminant Level Goal
MEK	Methyl Ethyl Ketone
MSDS	Material Safety Data Sheet
MSGP	Multi-Sector General Permit
N <sub>2</sub> O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standard
NAICS	North American Industrial Classification System
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NEIC	National Enforcement Investigations Center
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NFPA	National Food Processors Association
NICE <sup>3</sup>	National Industrial Competitiveness through Energy, Environment, and Economics
NMFS	National Marine Fisheries Service
NO <sub>x</sub>	Nitrogen Oxide
NO <sub>2</sub>	Nitrogen Dioxide
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Inspection
NPDES	National Pollutant Discharge Elimination System
NPDWR	National Primary Drinking Water Regulation
NPL	National Priority List
NPTN	Pesticides Telecommunications Network
NRC	National Response Center
NSDWR	National Secondary Drinking Water Regulation
NSPS	New Source Performance Standard

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NSR	New Source Review
NTIS	National Technical Information Service
OC	Office of Compliance
OECA	Office of Environmental Compliance and Assurance
O&G	Oil and Grease
OPA	Oil Pollution Act
OPC	Oil Program Center
OPP	Office of Pesticide Programs
OPPT	Office of Prevention, Pesticides, and Toxics
OSC	On-Scene Coordinator
OSHA	Occupational Safety and Health Administration
OTAG	Ozone Transport Assessment Group
P2	Pollution Prevention
Pb	Lead
PCB	Polychlorinated biphenyl
PCS	Permit Compliance System
PESP	Pesticide Environmental Stewardship Program
PM	Particulate Matter
PMN	Premanufacture Notice
POTW	Publicly Owned Treatment Work
PREP	National Preparedness for Response Exercise Program
PSD	Prevention of Significant Deterioration
PSM	Process Safety Management
PTI	Permit to Install
PWS	Public Water System
PWSS	Public Water Supply Supervision
RA	Regional Administrator
RACT	Reasonably Available Control Technology
RCRA	Resource Conservation and Recovery Act
RMP	Risk Management Plan
RQ	Reportable Quantity
RUP	Restricted Use Pesticide
SARA	Superfund Amendments and Reauthorization Act
SDWA	Safe Drinking Water Act
SEP	Supplemental Environmental Project
SERC	State Emergency Response Commission
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SNAP	Significant New Alternatives Policy
SO <sub>x</sub>	Sulfur Oxide
SO <sub>2</sub>	Sulfur Dioxide
SPCC	Spill Prevention, Control and Countermeasure
SQG	Small Quantity Generator
SRF	State Revolving Fund
SWPPP	Storm Water Pollution Prevention Plan
SWTR	Surface Water Treatment Rule
tpy	Tons per year
TCLP	Toxicity Characteristic Leaching Procedure
TKN	Total Kjeldahl Nitrogen
TOC	Total Organic Carbon
TPQ	Threshold Planning Quantity

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TRI	Toxic Release Inventory
TSCA	Toxic Substances Control Act
TSD	Treatment, Storage, and Disposal facility
TSS	Total Suspended Solids
TT	Treatment Technique
TTN	Technology Transfer Network
UIC	Underground Injection Control
USCG	U.S. Coast Guard
USDA	U.S. Department of Agriculture
USDHHS	U.S. Department of Human and Health Services
USDW	Underground Source of Drinking Water
USFWS	U.S. Fish and Wildlife Service
UST	Underground Storage Tank
VOC	Volatile Organic Compound
WPS	Worker Protection Standard